Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 (currently amended): An antenna ~~Anantenna~~, comprising:

a dielectric layer having a first surface and a second surface which is spaced apart from and is substantially parallel to the first surface;

a ground layer of electrically conductive material covering a portion of the first surface of the dielectric layer;

a feed-line of electrically conductive material disposed on the second surface of the dielectric layer;

a first radiating element of electrically conductive material disposed on the dielectric layer and electrically connected to the feed-line, wherein the first radiating element is for generating a first operating frequency of the antenna; and

a second radiating element of electrically conductive material disposed on the dielectric layer in close proximity to the first radiating element such that an electromagnetic energy can be transformed from the first radiating element to the second radiating element through energy coupling, wherein the second radiating element is for generating a second operating frequency of the antenna.

2 (currently amended): The antenna of claim 1 wherein the first and second radiating elements are both disposed on a same surface of the ~~circuit board~~ dielectric layer.

3 (currently amended): The antenna of claim 1 wherein the first and second radiating elements are disposed on different surfaces of the ~~circuit board~~ dielectric layer.

4 (currently amended): The antenna of claim 3 wherein the first radiating element is

disposed on the second surface of the ~~circuit board~~ dielectric layer, and the second radiating element is disposed on the first surface of the ~~circuit board~~ dielectric layer.

5 (currently amended): The antenna of claim 4 wherein at least a portion of the first radiating element disposed on the second surface of the ~~printed circuit board~~ dielectric layer is in close proximity to at least a portion of the second radiating element disposed on the first surface of the ~~printed circuit board~~ dielectric layer.

6 (original): The antenna of claim 1 wherein the first radiating element is a monopole antenna.

7 (original): The antenna of claim 1 wherein the second radiating element is a half-wavelength resonator.

8 (currently amended): An antenna, comprising:

a circuit board having a first surface and a second surface which is spaced apart from and is substantially parallel to the first surface;

a ground layer covering a portion of the first surface of the circuit board;

a feed-line disposed on the second surface of the circuit board;

a first radiating element of electrically conductive material disposed on [[a]] the circuit board and electrically coupled to [[a]] the feed-line, wherein the first radiating element is for generating a first operating frequency of the antenna; and

a second radiating element of electrically conductive material disposed on the circuit board in close proximity to the first radiating element such that an electromagnetic energy can be transformed from the first radiating element to the second radiating element through energy coupling, wherein the second radiating element is for generating a second operating frequency of the antenna.

9 (currently amended): The antenna of claim 8 wherein the ~~printed~~ circuit board is composed of dielectric material ~~and has a first surface and a second surface which is spaced apart from and is substantially parallel to the first surface~~.

10 (currently amended): The antenna of ~~claim 9~~ claim 8 wherein the first and second radiating elements are both disposed on a same surface of the circuit board.

11 (currently amended): The antenna of ~~claim 9~~ claim 8 wherein the first and second radiating elements are disposed on different surfaces of the circuit board.

12 (currently amended): The antenna of ~~claim 9~~ claim 8 wherein at least a portion of the first radiating element disposed on the second surface of the ~~printed~~ circuit board is in close proximity to at least a portion of the second radiating element disposed on the first surface of the ~~printed~~ circuit board.

13 (original): The antenna of claim 8 wherein the first radiating element is a monopole antenna.

14 (original): The antenna of claim 8 wherein the second radiating element is a half-wavelength resonator.

15 (new): An antenna, comprising:

a dielectric layer;

a feed-line disposed on the dielectric layer;

a first radiating element disposed on the dielectric layer and electrically connected to the feed-line for generating a first radio signal at a frequency of about 5.5GHz; and

a second radiating element disposed on the dielectric layer;

wherein electromagnetic energy is coupled from the first radiating element to the

second radiating element, so that the second radiating element generates a second radio signal at a frequency of about 2.45GHz.

16 (new): The antenna of claim 15, wherein the antenna is attached to a wireless LAN (WLAN) device.

17 (new) The antenna of claim 15, further comprising:
a ground layer covering at least a portion of a surface of the dielectric layer.

18 (new) The antenna of claim 15, wherein the dielectric layer has a first surface and a second surface.

19 (new) The antenna of claim 18, wherein the first surface and the second surface of the dielectric layer are substantially parallel to each other.

20 (new) The antenna of claim 18, wherein the first radiating element and the second radiating element are both disposed on the first surface of the dielectric layer.

21 (new) The antenna of claim 18, wherein the first radiating element is disposed on the first surface of the dielectric layer, and the second radiating element is disposed on the second surface of the dielectric layer.

22 (new) The antenna of claim 15, wherein the first radiating element is a monopole antenna.

23 (new) The antenna of claim 15, wherein the second radiating element is a half-wavelength resonator.